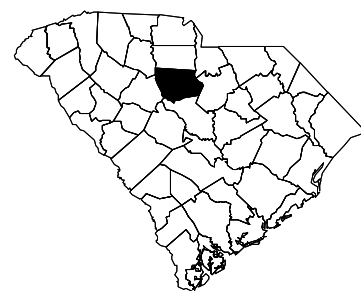


IMPACT OF CHRONIC CONDITIONS FAIRFIELD County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Fairfield county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Fairfield county's population is similar to the state population. The majority (36%) of the population in Fairfield county are between the ages of 18-44, and there are more females (52%) than males (48%). Fairfield county has a higher minority population (60%) than the state (32%). When adults in Fairfield county were asked about their general health status, 83.1% reported having excellent, very good, or good health in 2002 (SC was 83%).

	FAIRFIELD COUNTY	STATE
Population size	24,003	4,107,183
Age distribution (%)		
<18	25	24
18-44	36	40
45-64	26	24
65-84	12	11
85+	1	1
Race (%)		
White	40	68
Black & Other	60	32
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Fairfield county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	27
Sedentary lifestyle	41	42
Overweight	64	60
High Cholesterol	11	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.4	.	.	.	.	28.4
Number of hospitalizations	32	29	3	16	16	5,173
Standard rate of hospitalizations (per 100,000)	129	227	21	147	121	125
Median age of hospitalized patients	53	50	60	43	58	63
Total cost of hospitalization (\$)	573,200	514,700	58,500	368,700	204,500	79,350,400
Average length of hospital stay (days)	5	5	6	6	4	5
Number of ED visits	71	60	11	24	47	7,306
Standard rate of ED visits (per 100,000)	294	467	85	213	360	175
Median age of ED patients	53	53	55	48	53	53
Total cost of ED visits (\$)	42,400	33,400	9,000	21,400	21,000	5,902,800
Number of deaths*	2	1	1	-	2	366
Standard death rate (per 100,000)*	9	10	9	-	14	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.9	.	.	.	.	5.13
Number of hospitalizations	144	66	78	79	65	30,831
Standard rate of hospitalizations (per 100,000)	554	536	562	668	460	734
Median age of hospitalized patients	68	63	70	63	73	68
Total cost of hospitalization (\$)	4,506,800	1,753,200	2,753,600	2,589,800	1,917,000	969,122,700
Average length of hospital stay (days)	5	4	5	4	5	5
Number of ED visits	22	9	13	13	9	2,754
Standard rate of ED visits (per 100,000)	87	71	113	114	65	66
Median age of ED patients	63	58	63	58	68	63
Total cost of ED visits (\$)	55,600	23,600	32,000	35,100	20,500	10,617,900
Number of deaths*	82	41	41	43	39	9,723
Standard death rate (per 100,000)*	347	372	314	451	275	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.07	.	.	.	.	2.38
Number of hospitalizations	70	40	30	28	42	14,317
Standard rate of hospitalizations (per 100,000)	283	335	223	247	303	351
Median age of hospitalized patients	73	68	73	73	78	73
Total cost of hospitalization (\$)	1,470,000	1,007,800	462,200	674,600	795,400	279,819,700
Average length of hospital stay (days)	7	8	5	9	6	6
Number of ED visits	21	9	12	8	13	2,732
Standard rate of ED visits (per 100,000)	82	71	85	74	95	67
Median age of ED patients	73	63	73	78	68	73
Total cost of ED visits (\$)	37,800	17,400	20,400	15,600	22,200	6,322,600
Number of deaths*	19	13	6	6	13	2,816
Standard death rate (per 100,000)*	81	121	45	53	92	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	70	35	35	18	52	14,524
Standard rate of hospitalizations (per 100,000)	285	263	289	152	401	351
Median age of hospitalized patients	43	38	58	13	43	58
Total cost of hospitalization (\$)	956,300	629,200	327,100	465,100	491,200	198,700,700
Average length of hospital stay (days)	5	5	5	5	4	5
Number of ED visits	452	314	138	182	270	37,517
Standard rate of ED visits (per 100,000)	1,905	2,166	1,463	1,566	2,191	914
Median age of ED patients	28	23	38	18	33	33
Total cost of ED visits (\$)	293,200	202,500	90,700	129,600	163,600	30,607,600
Number of deaths*	16	4	12	9	7	1,891
Standard death rate (per 100,000)*	68	36	92	92	49	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	10.8	.	.	.	.	8.33
Number of hospitalizations	66	44	22	23	43	8,652
Standard rate of hospitalizations (per 100,000)	273	336	227	213	333	207
Median age of hospitalized patients	58	53	68	53	63	53
Total cost of hospitalization (\$)	937,500	713,300	224,200	197,300	740,200	127,167,500
Average length of hospital stay (days)	7	8	5	4	8	6
Number of ED visits	132	106	26	59	73	9,316
Standard rate of ED visits (per 100,000)	535	793	231	523	541	224
Median age of ED patients	53	48	73	38	63	53
Total cost of ED visits (\$)	86,700	68,700	18,000	39,500	47,200	8,261,100
Number of deaths*	5	3	2	1	1	1,114
Standard death rate (per 100,000)*	21	29	14	19	13	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	154	95	59	71	83	24,644
Standard rate of hospitalizations (per 100,000)	610	756	448	634	616	591
Median age of hospitalized patients	63	63	68	68	58	58
Total cost of hospitalization (\$)	3,712,500	2,293,400	1,419,100	2,076,100	1,636,400	605,119,300
Average length of hospital stay (days)	8	8	7	10	6	6
Number of deaths*	46	30	16	34	12	8,320
Standard death rate (per 100,000)*	184	257	117	338	86	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	8	8	8	8	2,113
Standard rate of hospitalizations (per 100,000)	64	65	62	81	56	51
Median age of hospitalized patients	73	68	80	63	75	68
Total cost of hospitalization (\$)	557,000	348,700	208,300	192,500	364,500	80,248,200
Average length of hospital stay (days)	11	13	9	10	12	10
Number of deaths*	7	5	2	4	3	807
Standard death rate (per 100,000)*	27	41	16	38	21	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,465
Standard rate of hospitalizations (per 100,000)	35	17	50	.	63	35
Median age of hospitalized patients	63	70	63	.	63	63
Total cost of hospitalization (\$)	111,000	28,900	82,100	.	111,000	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	1	-	1	-	1	630
Standard death rate (per 100,000)*	4	-	7	-	7	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	222
Standard rate of hospitalizations (per 100,000)	5
Median age of hospitalized patients	48
Total cost of hospitalization (\$)	3,668,300
Average length of hospital stay (days)	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	8	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,154
Standard rate of hospitalizations (per 100,000)	35	32	36	48	22	51
Median age of hospitalized patients	58	60	58	58	78	58
Total cost of hospitalization (\$)	146,000	55,500	90,500	56,100	89,900	70,474,400
Average length of hospital stay (days)	5	4	6	4	7	9
Number of deaths*	12	6	6	9	3	2,481
Standard death rate (per 100,000)*	49	51	46	86	23	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	8	2	10	.	1,353
Standard rate of hospitalizations (per 100,000)	41	74	13	107	.	32
Median age of hospitalized patients	68	70	63	68	.	68
Total cost of hospitalization (\$)	174,100	143,600	30,500	174,100	.	24,726,200
Average length of hospital stay (days)	4	4	2	4	.	4
Number of deaths*	4	3	1	4	.	478
Standard death rate (per 100,000)*	19	33	7	62	.	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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